

LaJuana S. Wilcher
Secretary

AIR QUALITY PERMIT
Issued under 401 KAR 52:030
CONDITIONAL MAJOR

Ernie Fletcher
Governor



Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Permittee Name: Bluegrass Dairy and Food, LLC
Mailing Address: 1117 Cleveland Avenue, Glasgow, KY-42141

is authorized to operate a drying and food products manufacturing facility

Source Name: Bluegrass Dairy and Food, LLC.
Mailing Address: 1117 Cleveland Avenue, Glasgow, KY-42141
Source Location: 606 W.Main Street, Washington, KY 40069

Source ID #: 21-229-00009
Source AI #: 11649
Source Activity #: APE20040001

SIC Code: 2023
County: Washington

Permit Number: F-04-038

Permit Type: Conditional Major
Operating

Regional Office: Frankfort Region
643 Teton Trail STE B
Frankfort, KY 40601-1758
(502)-564-3358

Issuance Date: February 21, 2005
Expiration Date: February 21, 2010

John S. Lyons, Director
Division for Air Quality

Conditional Major-Initial Construction/Operating Permit

Bluegrass Dairy & Food

Subject Item Inventory

Activity ID No.: APE20040001

Subject Item Inventory:

ID	Designation	Description
AIOO11649		
COMB1	Emission Unit #1	Spray Dryer Blaw Knox #750 Fuel Input: 5 mmBtu/hr Installed Date: 1959 Primary Fuel: Natural Gas
COMB2	Emission Unit#2	Spray Dryer Blaw Knox #750 Fuel Input: 5 mmBtu/hr Primary Fuel: Natural Gas Installed Date: 1972
COMB3	Emission Unit# 3	Spray Dryer Blaw Knox#1500 Fuel Input: 7 mmBtu/hr Primary Fuel: Natural Gas Installed Date: Proposed Nov. 2004
COMB4	Emission Unit #4	Indirect Heat Exchanger Continental Fuel Input: 10.35 mmBtu/hr Primary Fuel: Natural Gas, Propane Power Output: 200HP Installed Date: 1962
COMB5	Emission Unit # 5	Indirect Heat Exchanger Kewanee Fuel Input: 12.6 mmBtu/hr Primary Fuel: Natural Gas, Propane Power Output: 150HP Installed Date: 1962
EQPT1	Insignificant Activity	Pilot Dryer
EQPT2	Insignificant Activity	3 Bagging Operations

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ID	Designation	Description
EQPT3	Insignificant Activity	6 Space Heaters

Subject Item Groups:

ID	Description	Components
GACT1	12.6 mmBtu/hr & 10.35 mmBtu/hr	COMB5 Indirect Heat Exchanger Kewanee Fuel Input: 12.6 mmBtu/hr Primary Fuel: Natural Gas, Propane Power Output: 150HP Installed Date: 1962
		COMB4 Indirect Heat Exchanger Continental Fuel Input: 10.35 mmBtu/hr Primary Fuel: Natural Gas, Propane Power Output: 200HP Installed Date: 1962

KEY

ACTV = Activity

AREA = Area

EQPT = Equipment

PERS = Personnel

STOR = Storage

TRMT = Treatment

AIOO = Agency Interest

COMB = Combustion

MNPT = Monitoring Point

PORT = Transport

STRC = Structure

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Limitation Requirements:

Condition No.	Parameter	Condition
L-1	PT (Particulate Matter)	The source shall have maximum source-wide emissions of PT (Particulate Matter) <= 90 tons/yr. [401 KAR 52:030]

Submittal/Action Requirements:

Condition No.	Condition
S-1	<p>SEMIANNUAL REPORTS:</p> <p>The permittee shall submit report(s): Due semiannually, by the 30th of January and July to the Regional Office listed on the front of this permit, for the duration of this permit, unless otherwise stated. This report shall be a summary of any monitoring required by this permit, other than continuous emission or opacity monitors. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation. All deviations from permit requirements shall be clearly identified in the reports. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1b (V)1] All reports shall be certified by a responsible official. [401 KAR 52:030, Section 22] Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, Section 3(3). [401 KAR 52:030 Section 26, 401 KAR 52:030 Section 22, 401 KAR 59:005 Section 3(3)]</p>
S-2	<p>EMISSION EXCEEDANCES:</p> <p>The owner or operator shall submit report(s): Due within thirty (30) days of emission related exceedances from permit requirements, including those attributed to upset conditions (other than emission exceedances covered by Requirement D.5); to the Regional Office listed on the front of this permit. Other deviations from permit requirements shall be included in the semiannual reports required by Condition No S-1. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1b (V)(3) and (4)]. [401 KAR 52:030 Section 26]</p>

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Submittal/Action Requirements:

Condition No.	Condition
S-3	<p>COMPLIANCE CERTIFICATION:</p> <p>The permittee shall certify compliance with the terms and conditions contained in this permit and shall submit compliance certification: Due annually, by the 30th of January to the Regional Office listed on the front of this permit. Compliance Certification Form (DEP 7007CC) (or an approved alternative) shall be used in accordance with the following requirements:</p> <ol style="list-style-type: none">Identification of each term or condition of the permit that is the basis of the certification;The compliance status regarding each term or condition of the permit;Whether compliance was continuous or intermittent; andThe method used for determining the compliance status for the source, currently and over the reporting period.For an emissions unit that was still under construction or which has not commenced operation at the end of the year covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the Regional Office listed on the front of this permit and the following address: <p>Division for Air Quality Central Files 803 Schenkel Lane Frankfort, KY 40601. [401 KAR 52:030 Section 21]</p>
S-4	<p>NOTIFICATION:</p> <p>The following information shall be reported:</p> <ol style="list-style-type: none">The date when construction commenced.The date of start-up of the affected facilities listed in this permit.The date when the maximum production rate specified in the permit application was achieved. The permittee shall submit information: Due within 30 days after construction commencement and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office. [401 KAR Chapter 52]

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Submittal/Action Requirements:

Condition No.	Condition
S-5	<p>PERFORMANCE TESTS:</p> <p>This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration (test) on the affected facilities in accordance with 401 KAR 50:045, General compliance requirements [401 KAR 59:005 Section 2(1)]. The permittee shall complete and submit Compliance Test Protocol (Form DEP 6027): Due at least 30 days prior to performance/emissions test to the Division's Frankfort Central Office. [Policy manual of the Division for Air Quality, Section VII 2.(1)][401 KAR 50:016, Section 1(1)] The Division shall be notified of the actual test date at least ten (10) days prior to the test. [401 KAR 50:045 Section 5]</p>
S-6	<p>PERFORMANCE TEST NOTICE AND REPORT:</p> <p>Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of any required performance test(s), the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.</p> <p>For any performance test(s) required by this permit, the permittee shall submit performance/emission test results: Due within 45 days of the completion of the fieldwork to the Division. [Policy Manual of the Division of Air Quality, Section VII.3]. [401 KAR 50:016 Section 1(1)]</p>
S-7	<p>PERMIT EXPIRATION AND REAPPLICATION REQUIREMENTS:</p> <p>This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate. The permittee shall submit permit application for renewal: Due at least 180 days prior to permit expiration to the Division. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:030 Section 12]</p>

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Narrative Requirements:

Condition No.	Condition
T-1	SECTION A. PERMIT AUTHORIZATION. [401 KAR 52:030]
T-2	<p>A1. Pursuant to a duly submitted application, the Kentucky Division for Air Quality hereby authorizes the construction and operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.</p> <p>The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.</p> <p>Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency. [401 KAR 52:030]</p>
T-3	SECTION B. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS. [401 KAR 52:030]
T-4	B1. Compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1b]. [401 KAR 52:030 Section 26]
T-5	B2. PM and SO ₂ emissions, as measured by methods referenced in 401 KAR 50:015 Section 1, shall not exceed the respective limitations specified herein. [401 KAR Chapter 52]
T-6	SECTION C. SOURCE CONTROL EQUIPMENT REQUIREMENTS. [401 KAR 50:055]
T-7	C1. At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [401 KAR 50:055 Section 2(5)]
T-8	SECTION D. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS. [401 KAR 52:030]

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Narrative Requirements:

Condition No.	Condition
T-9	<p>D.1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:</p> <ul style="list-style-type: none">a. Date, place (as defined in this permit), and time of sampling or measurements;b. Analyses performance dates;c. Company or entity that performed analyses;d. Analytical techniques or methods used;e. Analyses results; andf. Operating conditions during time of sampling or measurement. <p>[Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1b (IV)(1)]. [401 KAR 52:030 Section 26]</p>
T-10	<p>D.2. Records of all required monitoring data, support information (including calibrations, maintenance records, and original strip chart recordings), and reports required by the Division for Air Quality shall be retained by the permittee for a period of five years. These records shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1b (IV)(2) and Section 1a (7)]. [401 KAR 52:030 Section 26]</p>
T-11	<p>D.3. The permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:</p> <ul style="list-style-type: none">a. To access and copy any records required by the permit;b. To inspect any facility, equipment (including monitoring and air pollution control equipment), practice, or operation; andc. To sample or monitor substances or parameters to assure compliance with the permit or any applicable requirements. <p>Reasonable times are defined as during all hours of operation, during normal office hours, or during an emergency. [401 KAR 52:030 Section 3(1)(f)]</p>
T-12	<p>D.4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties. [KRS 77.165, 401 KAR 50:060]</p>
T-13	<p>D.5. The owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:</p> <ul style="list-style-type: none">i) When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.ii) When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, the permittee shall notify the Division as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request. [401 KAR 50:055 Section 1]
T-14	<p>D.6. The permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KEIS emission report is mailed to the permittee. If a KEIS emission report is not mailed to the permittee, comply with all other emission reporting requirements in this permit. [401 KAR 52:030 Section 3(1)(d)]</p>

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T-15	<p>D.7. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:</p> <ul style="list-style-type: none">a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:<ul style="list-style-type: none">i. The size and location of both the original and replacement units; andii. Any resulting change in emissions;b. The PTE of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;d. The replacement unit shall comply with all applicable requirements; ande. The source shall notify Regional office of all shutdowns and start-ups.f. Within six (6) months after installing the replacement unit, the owner or operator shall<ul style="list-style-type: none">i. Re-install the original unit and remove or dismantle the replacement unit; orii. Submit an application to permit the replacement unit as a permanent change. [401 KAR 52:030 Section 20]
T-16	SECTION E. GENERAL PROVISIONS. [401 KAR 52:030]
T-17	E(a) General Compliance Requirements. [401 KAR 52:030]
T-18	E(a)1. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (2)]. [401 KAR 52:030 Section 26]
T-19	E(a)2. Notification by the permittee of a planned change or anticipated noncompliance, or filing of a request for any permit revision, revocation, reissuance, or termination shall not stay any permit condition. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (5)]. [401 KAR 52:030 Section 26]

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Condition No.	Condition
T-20	<p>E(a)3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:</p> <p>a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;</p> <p>b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;</p> <p>c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.</p> <p>Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (4)] [401 KAR 52:030 Section 26] [401 KAR 50:060 Section 2]. [401 KAR 52:030 Section 7(3), 401 KAR 52:030 Section 26, 401 KAR 50:060 Section 2]</p>
T-21	<p>E(a)4. The permittee shall furnish upon request information requested by the Division to determine compliance with the permit or to determine if cause exists for modifying, revoking and reissuing, or terminating the permit. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Sections 1a (6) and (7)]. [401 KAR 52:030 Section 26]</p>
T-22	<p>E(a)5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority. [401 KAR 52:030 Section 7(1)]</p>
T-23	<p>E(a)6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (11)]. [401 KAR 52:030 Section 26]</p>
T-24	<p>E(a)7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (3)]. [401 KAR 52:030 Section 26]</p>
T-25	<p>E(a)8. Except for requirements identified as state-origin requirements in this permit, all terms and conditions contained herein shall be enforceable by the United States Environmental Protection Agency and citizens of the United States. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (12)(b)]. [401 KAR 52:030 Section 26]</p>

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T-26	E(a)9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6). [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (9)]. [401 KAR 52:030 Section 26]
T-27	E(a)10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:030 Section 11(3)]
T-28	E(a)11. This permit does not convey property rights or exclusive privileges. [Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources, Section 1a (8)]. [401 KAR 52:030 Section 26]
T-29	E(a)12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency. [401 KAR 52:030]
T-30	E(a)13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry. [401 KAR Chapter 52]
T-31	E(a)14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders. [401 KAR Chapter 52]
T-32	E(a)15. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with: (a) Applicable requirements that are included and specifically identified in this permit; and (b) Non-applicable requirements expressly identified in this permit. [401 KAR 52:030 Section 11]
T-33	E(a)16. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division. [401 KAR 52:030 Section 3(1)(c)]
T-34	E(a)17. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets. [401 KAR 52:030 Section 8(2)]
T-35	E(a)18. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source. [401 KAR Chapter 51]
T-36	E(b) Permit Revisions. [401 KAR 52:030]

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Condition No.	Condition
T-37	E(b)1. Minor permit revision procedures specified in 401 KAR 52:030 Section 14 (3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14 (2). [401 KAR 52:030 Section 14(2)]
T-38	E(b)2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer. [401 KAR 52:030]
T-39	E(c) Construction, Start-up and Initial Compliance Demonstration Requirements. [401 KAR 52:030]
T-40	E(c)1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit. [401 KAR Chapter 52]
T-41	E(c)2. Unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause. [401 KAR 52:030 Section 3(2)]
T-42	E(c)3. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet. [401 KAR 50:055]
T-43	E(c)4. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire. [401 KAR Chapter 51]
T-44	E(c)5. If a demonstration of compliance, through performance testing was made at a production rate less than the maximum specified in the application form, then the permittee is only authorized to operate at a rate that is not greater than 110 percent of the rate demonstrated during performance testing. If and when the facility is capable of operation at the rate specified in the application, compliance must be demonstrated at the new production rate if required by the Division. [Policy manual of the Division for Air Quality, Section VII 1(2 and 3)]. [401 KAR 50:016 Section 1(1)]
T-45	E(e) Emergency Provisions. [401 KAR 52:030]

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Condition No.	Condition
T-46	E(e)1. An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that: a. An emergency occurred and the permittee can identify the cause of the emergency; b. The permitted facility was at the time being properly operated; c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and, d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken. [401 KAR 52:030 Section 23(1)]
T-47	E(e)2. Notification of the Division does not relieve the source of any other local, state or federal notification requirements. [401 KAR 52:030]
T-48	E(e)3. Emergency conditions listed in General Provision E(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement. [401 KAR Chapter 52 Section 23(3)]
T-49	E(e)4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof. [401 KAR 52:030 Section 23(2)]
T-50	E(f) Risk Management Provisions. [401 KAR Chapter 68]
T-51	E(f)1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to RMP Reporting Center P.O. Box 3346 Merrifield, VA, 22116-3346. [401 KAR Chapter 68]
T-52	E(f)2. If requested, submit additional relevant information by the Division or the U.S. EPA. [401 KAR Chapter 68]
T-53	E(g) Ozone depleting substances. [40 CFR 82]

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Condition No.	Condition
T-54	<p>E(g)1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:</p> <ul style="list-style-type: none">a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [40 CFR 82]
T-55	<p>E(g)2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. [40 CFR 82]</p>

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COMB1 (Emission Unit #1) Spray Dryer Blaw Knox #750

Fuel Input: 5 mmBtu/hr

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	PT (Particulate Matter)	<p>Each unit shall have a maximum emission of PT (Particulate Matter) ≤ 3.38 lbs/hr. If the process weight rate for the unit is 1,000 lbs/hr or less, the limit on emissions of particulate matter is 2.58 lb/hr. If the process weight rate for the unit is above 1,000 lbs/hr, the limit on emissions of particulate matter from the unit can be determined (in lbs/hr) by taking the process weight rate for materials introduced into the unit (in tons/hr), raising the process weight rate value to the 0.67 power, and multiplying by 4.10 (maximum = $4.10 \times \text{process weight rate}^{0.67}$).</p> <p>Compliance Demonstration</p> <p>Compliance will be demonstrated from the following emission calculation basis and monitoring requirements: PT emission in pounds per hour = (monthly processing rate in tons/month)(1 month/hours of operation that month)(emission factor of 69.91 lb PT/ton)(1-control efficiency of 0.95).</p> <p>See Monitoring Requirements for monitoring rates and visual inspection of controls. [401 KAR 61:020 Section 3(2)] Statistical basis: Three-hour average.</p>
L-2	Visible Emissions	<p>Each unit shall have Visible Emissions < 40 % opacity</p> <p>Compliance Demonstration</p> <p>Compliance shall be demonstrated through performing recordkeeping and monitoring as required in conditions T2 and T5.</p> <p>Regulation Citation. [401 KAR 61:020 Section 3(1)] Statistical basis: Six-minute average.</p>

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Narrative Requirements:

Applicable Regulations:

Condition No.	Condition
T-1	Applicable Regulations: Existing process operations is applicable to each affected facility associated with a process operation commenced before July 2, 1975 and limits particulate emissions. [401 KAR 61:020]

Recordkeeping:

Condition No.	Condition
T-2	Recordkeeping: Specific Recordkeeping : The permittee shall maintain records of the following: 1) monthly hours of operation and material processing rate; 2) the weekly log of qualitative visual observation of opacity of emissions and the opacity determined by Reference Method 9, if any were taken, and repairs that were made due to any opacity reading which exceeded the standard. [401 KAR Chapter 52 Section 10]

Monitoring:

Condition No.	Condition
T-3	Monitoring: Specific Monitoring : The permittee shall monitor and keep records of the amount of material processed on a monthly basis. [401 KAR Chapter 52 Section 10]
T-4	Monitoring: Specific Monitoring : The permittee shall monitor the hours of operation of the unit on a monthly basis. [401 KAR Chapter 52 Section 10]
T-5	Monitoring: Specific Monitoring: The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observation. If visible emission from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs. [401 KAR Chapter 52 Section 10]

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COMB2 (Emission Unit#2) Spray Dryer Blaw Knox #750

Fuel Input: 5 mmBtu/hr

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	PT (Particulate Matter)	<p>Each unit shall have a maximum emission of PT (Particulate Matter) ≤ 3.38 lbs/hr. If the process weight rate for the unit is 1,000 lbs/hr or less, the limit on emissions of particulate matter is 2.34 lb/hr. If the process weight rate for the unit is above 1,000 lbs/hr, the limit on emissions of particulate matter from the unit can be determined (in lbs/hr) by taking the process weight rate for materials introduced into the unit (in tons/hr), raising the process weight rate value to the 0.62 power, and multiplying by 3.59 (maximum = $3.59 \times \text{process weight rate}^{0.62}$).</p> <p>Compliance Demonstration</p> <p>Compliance will be demonstrated from the following emission calculation basis and monitoring requirements: PT emission in pounds per hour = (monthly processing rate in tons/month)(1 month/hours of operation that month)(emission factor of 69.91 lb PT/ton)(1-control efficiency of 0.95).</p> <p>See Monitoring Requirements for monitoring rates and visual inspection of controls. [401 KAR 59:010 Section 3(2)] Statistical basis: Three-hour average.</p>
L-2	Visible Emissions	<p>Each unit shall have Visible Emissions < 40 % opacity</p> <p>Compliance Demonstration</p> <p>Compliance shall be demonstrated through performing recordkeeping and monitoring as required in conditions T2 and T5.</p> <p>Regulation Citation. [401 KAR 61:020 Section 3(1)] Statistical basis: Six-minute average.</p>

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Narrative Requirements:

Applicable Regulations:

Condition No.	Condition
T-1	Applicable Regulations: Existing process operations is applicable to each affected facility associated with a process operation commenced before July 2, 1975 and limits particulate emissions. [401 KAR 61:020]

Recordkeeping:

Condition No.	Condition
T-2	Recordkeeping: Specific Recordkeeping : The permittee shall maintain records of the following: 1) monthly hours of operation and material processing rate; 2) the weekly log of qualitative visual observation of opacity of emissions and the opacity determined by Reference Method 9, if any were taken, and repairs that were made due to any opacity reading which exceeded the standard. [401 KAR Chapter 52 Section 10]

Monitoring:

Condition No.	Condition
T-3	Monitoring: Specific Monitoring : The permittee shall monitor and keep records of the amount of material processed on a monthly basis. [401 KAR Chapter 52 Section 10]
T-4	Monitoring: Specific Monitoring : The permittee shall monitor the hours of operation of the unit on a monthly basis. [401 KAR Chapter 52 Section 10]
T-5	Monitoring: Specific Monitoring : The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observation. If visible emission from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs. [401 KAR Chapter 52 Section 10]

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COMB3 (Emission Unit# 3) Spray Dryer Blaw Knox#1500

Fuel Input: 7 mmBtu/hr

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	PT (Particulate Matter)	<p>Each unit shall have a maximum emission of PT (Particulate Matter) ≤ 3 lbs/hr. If the process weight rate for the unit is 1,000 lbs/hr or less, the limit on emissions of particulate matter is 2.34 lb/hr. If the process weight rate for the unit is above 1,000 lbs/hr, the limit on emissions of particulate matter from the unit can be determined (in lbs/hr) by taking the process weight rate for materials introduced into the unit (in tons/hr), raising the process weight rate value to the 0.62 power, and multiplying by 3.59 (maximum = $3.59 \times \text{process weight rate}^{0.62}$).</p> <p>Compliance Demonstration</p> <p>Compliance will be demonstrated from the following emission calculation basis and monitoring requirements: PT emission in pounds per hour = (monthly processing rate in tons/month)(1 month/hours of operation that month)(emission factor of 70.13lb PT/ton)(1-control efficiency of 0.95).</p> <p>See Monitoring Requirements for monitoring rates and visual inspection of controls. [401 KAR 59:010 Section 3(2)] Statistical basis: Three-hour average.</p>
L-2	Visible Emissions	<p>Each unit shall have Visible Emissions < 20 % opacity</p> <p>Compliance Demonstration</p> <p>Compliance shall be demonstrated through performing recordkeeping and monitoring as required in conditions T2 and T5.</p> <p>Regulation Citation. [401 KAR 59:010 Section 3(1)] Statistical basis: Six-minute average.</p>

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Narrative Requirements:

Applicable Regulations:

Condition No.	Condition
T-1	Applicable Regulations: New process operations is applicable to each affected facility associated with a process operation commenced after July 2, 1975 and limits particulate emissions. [401 KAR 59:010]

Recordkeeping:

Condition No.	Condition
T-2	Recordkeeping: Specific Recordkeeping : The permittee shall maintain records of the following: 1) monthly hours of operation and material processing rate; 2) the weekly log of qualitative visual observation of opacity of emissions and the opacity determined by Reference Method 9, if any were taken, and repairs that were made due to any opacity reading which exceeded the standard. [401 KAR Chapter 52 Section 10]

Monitoring:

Condition No.	Condition
T-3	Monitoring: Specific Monitoring : The permittee shall monitor the amount of material processed on a monthly basis. [401 KAR Chapter 52 Section 10]
T-4	Monitoring: Specific Monitoring : The permittee shall monitor the hours of operation of the unit on a monthly basis. [401 KAR Chapter 52 Section 10]
T-5	Monitoring: Specific Monitoring : The permittee shall perform a qualitative visible observation of the opacity of emissions from each stack on a weekly basis and maintain a log of the observation. If visible emission from a stack are seen, then the opacity shall be determined by EPA Reference Method 9 and an inspection shall be initiated for any necessary repairs. [401 KAR Chapter 52 Section 10]

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EQPT1 (Insignificant Activity) Pilot Dryer:

Narrative Requirements:

Condition	
No.	Condition
T-1	The activities within this group have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040 Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. [401 KAR 52:040 Section 6]

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EQPT2 (Insignificant Activity) 3 Bagging Operations :

Narrative Requirements:

Condition No.	Condition
T-1	The activities within this group have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040 Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. [401 KAR 52:040 Section 6]

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EQPT3 (Insignificant Activity) 6 Space Heaters:

Narrative Requirements:

Condition	
No.	Condition
T-1	The activities within this group have been determined to be insignificant activities for this source pursuant to 401 KAR 52:040 Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary. [401 KAR 52:040 Section 6]

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GACT1 (Nat. Gas Boilers) 12.6 mmBtu/hr & 10.35 mmBtu/hr:

Limitation Requirements:

Condition No.	Parameter	Condition
L-1	SO2 (Sulfur Dioxide)	The unit shall have emissions of SO2 (Sulfur Dioxide) ≤ 6.0 lb/mm Btu actual heat input. [401 KAR 61:015 Section 5(1)] This requirement is applicable during the following months: All Year. Statistical basis: 24-hour average.
L-2	PT (Particulate Matter)	The unit shall have emissions of PT (Particulate Matter) ≤ 0.75 lb/mm Btu actual heat input. [401 KAR 61:015 Section 4(1)] This requirement is applicable during the following months: All Year. Statistical basis: Three-hour average.
L-3	Visible Emissions	<p>The unit shall have Visible Emissions < 40 % unless otherwise allowed in this permit.</p> <p>Compliance Demonstration</p> <p>Compliance is assumed for SO2, PM and opacity while burning propane or natural gas.</p> <p>Regulation Citation. [401 KAR 61:015 Section 4(3)]</p>

Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	fuel	The amount of each combusted fuel monitored by approved method(s) weekly shall be determined for the unit. [401 KAR 61:015 Section 5] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

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Narrative Requirements:

Applicable Regulations:

Condition No.	Condition
T-1	Applicable Regulations: Existing Indirect Heat Exchangers applies to existing affected facilities less than 250 mm Btu/hr commenced before April 9, 1972. [401 KAR 61:015]

Additional Limitations:

Condition No.	Condition
T-2	Additional Limitations: There is no limit to visible emissions opacity while building a new fire provided a manufacturer recommended method is used and the manufacturer recommended time frame for bringing the boiler up to operating conditions is not exceeded. [401 KAR 61:015 Section 4(3)(c)]
